

**Iowa Department of Natural Resources  
Wastewater Section  
Construction Permit Application  
SCHEDULE L, Settling Tanks**

DATE PREPARED	PROJECT IDENTITY	DNR USE
DATE REVISED		PROJECT NO.
		PERMIT NO.

1. Design Data:

		Primary Tank		Intermediate Tank		Final Tank	
		New	Existing	New	Existing	New	Existing
Number of Units							
Dimensions (ft.)							
SWD (ft.)							
Freeboard (in.)							
Effective Capacity (gal)							
Surface Area (ft <sup>2</sup> )							
Weir Length (ft.)							
Type of Weir							
Are Weirs Adjustable?							
Sludge	Removal Method						
	Location of Discharge						
Scum	Removal Method						
	Location of Discharge						
Service Bypass	Provided						
	Discharge						

2. Hydraulic and Solids Loadings

	Primary Tank		Intermediate Tank		Final Tank	
	AWW	PHWW	AWW	PHWW	AWW	PHWW
Total Flow (MGD)						
Detention Time (hr.)						
SSR (gal/day/ft <sup>2</sup> )						
W.O.R. (gal/day/ft.)						
Max. Solids Loading Rate including full RAS capacity (lbs/day/ft <sup>2</sup> )						

3. Do inlets have provisions for adequate flow distribution? \_\_\_\_\_

4. Are unit drains provided? Yes ☐ No ☐ Where do they discharge to? \_\_\_\_\_

5. Sludge Pumps:

Pump No.	Location	Sludge Volume (GPD)	Capacity (GPM)	TDH (ft.)		Force Main Diameter
				Rated	Computed	
1						
2						
3						
4						